

ABSTRACT

A second planetary gear unit PR and a clutch C1 for outputting reduced speed rotation are located on one axial side of a first planetary gear unit PU, with an output unit located therebetween. A clutch C2 which connects/ disconnects an input shaft 2 to/from a sun gear S2 of the planetary gear unit PU and a clutch C3 connects and disconnects the input shaft to/from a carrier CR2 of the planetary gear unit are on the other axial side of the first planetary gear unit PU. Compared with a transmission wherein a clutch C2 or clutch C3 is located between the second planetary gear unit PR and the planetary gear unit PU, the second planetary gear unit PR and the first planetary gear unit PU can be located closer together, and a member which transmits the reduced speed rotation can be made shorter. Further, compared to the case wherein, for example, the clutches C1, C2, C3 are located together on one axial side, oil supply to their servos is simplified.